IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) A radio communication system comprising a controller and a plurality of stations, each station comprising transmission and reception circuitry, in which peer-to-peer communication between stations takes place in time slots allocated by the controller, wherein a receiving station has means for storing information relating to a transmission parameter of each of the others of the plurality of stations and the stored information is used to form a parameter history for each station, and means for adjusting its receiver circuitry prior to reception of a signal from a transmitting station ~~depending~~ using ~~on the stored information relating to the transmission~~ parameter history of the transmitting station.

2. (Currently Amended) ~~A~~ The system as claimed in claim 1, ~~characterised in that~~wherein the receiving station has means for storing a plurality of values for each transmission parameter relating to signals received at different times and means for operating on a plurality of these values to compensate for drift in the value of the transmission parameter.

3. (Currently Amended) A station for use in a radio communication system comprising a controller and a plurality of stations, each station comprising transmission and reception circuitry, in which peer-to-peer communication between stations takes place in time slots allocated by the controller, wherein the station has means for storing information relating to a transmission parameter of each of the others of the plurality of stations and the stored information is used to form a parameter history for each station, and means for adjusting its receiver circuitry prior to reception of a signal from a transmitting station ~~depending~~using ~~on the stored information relating to the transmission~~ parameter history of the transmitting station.

4. (Currently Amended) The ~~A~~ station as claimed in claim 3, ~~characterised~~ wherein ~~in that~~ a transmission parameter is the frequency offset of signals from the transmitting station.

5. (Currently Amended) The ~~A~~ station as claimed in claim 3, ~~characterised~~ wherein ~~in that~~ a transmission parameter is the signal strength of signals from the transmitting station.

6. (Currently Amended) The ~~A~~ station as claimed in claim 1, ~~characterised in that~~wherein means are provided for storing a plurality of values for each transmission parameter relating to signals received at different times and for operating on a plurality of these values to compensate for drift in the value of the transmission parameter.

7. (Currently Amended) A method of operating a radio communication system comprising a controller and a plurality of stations, each station comprising transmission and reception circuitry, in which peer-to-peer communication between stations takes place in time slots allocated by the controller, wherein a receiving station stores information relating to a transmission parameter of each of the others of the plurality of stations and the stored information is used to form a parameter history for each station, and adjusts its receiver circuitry prior to reception of a signal from a transmitting station ~~depending~~ using ~~on the stored information relating to the transmission~~ parameter history of the transmitting station.

8. (Currently Amended) The ~~A~~ method as claimed in claim 7, ~~characterised~~ wherein ~~by~~ a transmission parameter being the frequency offset of signals from the transmitting station.

9. (Currently Amended) The ~~A~~ method as claimed in claim 7, ~~characterised~~ wherein ~~by~~ a transmission parameter being the signal strength of signals from the transmitting station.

10. (Currently Amended) he ~~A~~ method as claimed in claim 1, ~~characterised~~ wherein ~~by~~ the receiving station storing a plurality of values for each transmission parameter relating to signals received at different times and operating on a plurality of these values to compensate for drift in the value of the transmission parameter.